

PATENT COOPERATION TREAT

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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference		FOR FURTHER ACTIO	N See Noti	fication of Transmittal of International Preliminary	
BIL/PCT/004				tion Report (Form PCT/IPEA/416)	
	tional application No.	International filing date (day/n		Priority Date (day/month/year)	
PCT/IN 2003/000221		18 June 2003 (18.06.2	2003)	11 July 2002 (11.07.2002)	
Interna	tional Patent Classification (IPC) or na	tional classification and IPC			
IPC ⁷	': F16D				
Applic					
BRA	KES INDIA LIMITED				
1.	This international preliminary exa and is transmitted to the applicant	amination report has been proceed according to Article 36.	epared by this	International Preliminary Examination Authority	
2.	This REPORT consists of a total	of <u>5</u> sheets, including	this cover shee	et.	
	amended and are the basis	anied by ANNEXES, i.e., sh for this report and/or sheets he Administrative Instruction	containing rec	cription, claims and/or drawings which have been tifications made before this Authority (see Rule CT).	
	These annexes consist of a total of	of sheets.			
3.	This report contains indications re	elating to the following items	S:		
	K-7				
	I. Basis of the opinion				
	II. Priority				
	III. Non-establishment of opinion with regard to novelty, inventive step and industrial applicability				
	IV. Lack of unity of invention				
	V. Reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement				
	VI. Certain documents cited				
	VII. Certain defects in the international application				
	VIII. Certain observations on the international application				
L	e of submission of the demand		Date of compl	etion of this report	
Dat				30 May 2005 (30.05.2005)	
	06.02.200	/4	`	70 may 2000 (2000-201)	
Ner	me and mailing address of the IPEA	VAT	Authorized of	ficer	
Au	strian Patent Office			KUTZENBERGER T.	
	esdner Straße 87				
	1200 Vienna simile No. 1/53424/200		Telephone No	o. 1/53424/577	
I Fac	Simile No. 1/Jンサムサ/ムVV		<u></u>		

Form PCT/IPEA/409 (cover sheet) (July 1998)

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I	Internation application No.
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I.	Wi		Basis of the report regard to the elements of the international application:*
	×	_	the international application as originally filed
		- 1	the description: pages, as originally filed pages, filed with the demand pages, filed with the letter of
			the description: pages, as originally filed pages, filed with the demand pages, filed with the letter of the claims: pages, as originally filed pages, as amended (together with any statement) under Article 19 pages, filed with the demand pages, filed with the letter of the drawings: pages, as originally filed pages, filed with the demand pages, filed with the demand pages, filed with the letter of
	L	J	the sequence listing part of the description: pages, as originally filed pages, filed with the demand pages, filed with the letter of
2	w	hio	n regard to the language, all the elements marked above were available or furnished to this Authority in the language in the international application was filed, unless otherwise indicated under this item. See elements were available or furnished to this Authority in the following language which is:
			the language of a translation furnished for the purposes of international search (under Rule 23.1(b)).
			the language of publication of the international application (under Rule 48.3(b)).
			the language of the translation furnished for the purposes of international preliminary examination (under Rule 55.2 and/or 55.3).
3	3. V	Vit orel	h regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international liminary examination was carried out on the basis of the sequence listing:
			contained in the international application in printed form.
			filed together with the international application in computer readable form.
	[furnished subsequently to this Authority in written form.
1	[furnished subsequently to this Authority in computer readable form.
	[The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
			The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.
	4.		The amendments have resulted in the cancellation of:
			the description, pages
			the claims, Nos
			the drawings, sheets/fig
	5.		This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**
	in 7	i th	lacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to its report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and
ļ	** A	m	replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.



1	Internation application No.
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m	Non	-establishment of opinion with regard to novelty, inventive step and industrial applicability
1.	The	questions whether the claimed invention appears to be novel, to involve an inventive step (to be non obvious), or to be strially applicable have not been examined in respect of:
		the entire international application,
	\boxtimes	claims Nos. 12.
		because: the said international application, or the said claims Nos. require an international preliminary examination (specify):
	×	the description, claims or drawings (indicate particular elements below) or said claims Nos. 12 are so unclear that no meaningful opinion could be formed (specify): The subject matter of this claim does not contain any technical features essential to the invention. This does not meet the requirements of Article 6 PCT taken in combination with Rules 6.2a) and 6.3a) PCT.
		the claims, or said claims Nos. 12 are so inadequately supported by the description that no meaningful opinion could be formed. no international search report has been established for said claims Nos.
	2. A	A meaningful international preliminary examination cannot be carried out due to the failure of the nucleotide and/or amino acid requence listing to comply with the standard provided for in Annex C of the Administrative Instructions: the written form has not been furnished or does not comply with the standard.
1	Į	the computer readable form has not been furnished or does not comply with the standard.

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

1	Internation plication No.
	PCT/IN 2003/000221

Reasoned statement under Arti citations and explanations supp	cle 35(2) v orting su	with regard to novelty, inventive step or industrial applicability; ch statement	
Statement			
Novelty (N)	Claims		YES
	Claims	1-11	NO
Inventive step (IS)	Claims		YES
	Claims	1-11	NO
Industrial applicability (IA)	Claims	1-11	YES
مراد والمستود والمراد والمستود والمراد والمراد	Claims		NO -
	Statement Novelty (N) Inventive step (IS)	Statement Novelty (N) Claims Inventive step (IS) Claims Claims Claims Claims	Novelty (N) Claims 1-11 Inventive step (IS) Claims Claims 1-11

Since no amendment of the claims in reply to the 1. and 2. Written Opinion has been made, a sufficient differentiation is not produced to justify novelty respectively inventive step over the prior art cited.

No patentable difference could be found.

The European patent EP 1 128 082 A2 shows in Fig. 7 a drum brake assembly comprising an additional lever arrangement in the unutilized space on the brake shoe (40) by which it can deliver an enhanced brake output torque as compared to the conventional drum brake. The new lever is pivoted on the brake shoe's (40) web and at one end rests on the wheel cylinder piston and the other end is connected to the strut assemlies (92,70). The lever touches the piston instead of the leading shoe web. Further the brake assembly comprises a backplate, a second brake shoe (50), shoe return springs, a handbrake lever and shoe hold down springs (80). The incorporation of a new lever can deliver an output brake torque higher to that compared with a conventional drum brake assembly without necessitating a bigger diameter. Upon acting the wheel cylinder, which is fixed to the backplate, the lever rotates about its pivot point and pushes the strut assembly (70) and the braking force is transmitted to the brake shoe (50) which gets two inputs, one from the wheel cylinder and the other from the strut assembly (70) which is mechanically actuated by the new lever. The wheel cylinder input and the strut (70) reaction force together result in an enhanced force acting on the (leading) brake shoe (40). Aditionally, this embodiment provides breaking forces at very high gain due to the function of both brake shoes (40,50) as leading shoes with self-servo effect.

By omitting the strut assembly (70) and applying only one strut assembly (92) the above cited document shows all features of claims 1-11. To omit a feature in a known construction is not inventive.

Therefore the subject matters of claims 1-11 of the present application are not new and not inventive.

The European patent EP 0 887 570 A2 and US 2,232,308 A show all features of claims 1-3 and 7-11.

The German patent DE 480 534 C and US 2,037,432 A show all features of claims 1-2 and 7-11.

The industrial applicability is doubtlessly given.



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International application No. PCT/IN 2003/000221

VIII. Certain observations on the international application	
The following observations on the clarity of the claims, description, and drawings or on the question whether the claims are fully supported by the description, are made:	
Reference signs in parentheses should be inserted in the claims to increase their intelligibility (Rule 6.2b PCT).	D.
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